

U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.		Serial No.	
					M-12178 US		10/057,206	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicants			
(Use several sheets if necessary)					Robert J. Small and Zhefei J. Chen			
					Filing Date		Group	
					January 25, 2002		Unknown	
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
—	AA	5,318,927	Jun. 7, 1994	Sandhu et al.				
—	AB	5,527,423	Jun. 18, 1996	Neville et al.				
—	AC	5,976,928	Nov. 2, 1999	Kirlin et al.				
—	AD	5,980,775	Nov. 9, 1999	Grumbine et al.				
—	AE	6,169,305	Jan. 2, 2001	Takai et a.				
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
—	AF	1111083 A2	Jun. 27, 2001	EPO				
—	AG	99/27581	Jun. 3, 1999	PCT				
—	AH	00/31794	Jun. 2, 2000	PCT				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
—	AI	Results of Search by NERAC Inc., bearing date of May 14, 1999 (21 pages) containing items AI-BT:						
—	AJ	1) Abstract and bibliographic information concerning journal article British Corrosion Journal 26, (4), (1991) (pp. 265-267) *						
—	AK	2) Abstract and bibliographic information concerning journal article Sov. Electrochem. 27, (2), (Feb. 1991), (pp. 252-255)						
—	AL	3) Abstract and bibliographic information concerning journal article Praktische Metallographie 30, (6), (June 1993), (pp. 306-311)						
—	AM	4) Abstract and bibliographic information concerning conference proceedings Euocorr '87 European Corrosion Meeting, (1987), (pp. 209-214) *						
—	AN	5) Abstract and bibliographic information concerning journal article Elektrokimiya 18, (6), (June 1982), (pp. 848-850)						
—	AO	6) Abstract and bibliographic information concerning journal article Prot. Met. (USSR) 15, (5), (Sept.-Oct. 1979), (pp. 450-452)						
—	AP	7) Abstract and bibliographic information concerning journal article Zashch. Met. 15, (5), (1979), (pp. 560-562) *						
—	AQ	8) Abstract and bibliographic information concerning journal article Materials and Corrosion Vol. 48 No. 5, (1997), (pp. 303-310) *						
—	AR	9) Abstract and bibliographic information concerning journal article Platinum Metals Review (London) Vol. 36 No. 1, (1992), (pp. 14-25) *						

* = no month



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Sheet 2 of 4



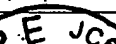

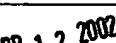






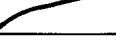
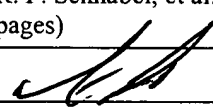
AS	10) Abstract and bibliographic information concerning journal article Elektrokhirnaya (Moskau) 25 No. 2, (1991), (pp. 252-255) *
AT	11) Abstract and bibliographic information concerning journal article Energy Science and Technology, (1995), (pp. 257-262) *
AU	12) Abstract and bibliographic information concerning journal article Journal of the Electrochemical Society Vol. 141 No. 10, (1994-10), (pp. 2659-2668)
AV	13) Abstract and bibliographic information concerning journal article Kinetics and Catalysis Vol. 35 No. 3, (1994-May-Jun.), (pp. 376-381)
AW	14) Abstract and bibliographic information concerning journal article Journal of the Electrochemical Society Vol. 140 No. 10, (1993-10), (pp. 2857-2862)
AX	15) Abstract and bibliographic information concerning journal article Journal of Vacuum Science and Technology Vol. 9 No. 2, (1991-Mar.-Apr.), (pp. 457-464)
AY	16) Abstract and bibliographic information concerning a report by Pacific Northwest Lab., (1992-05), (8 pages)
AZ	17) Abstract and bibliographic information concerning conference All-union conference on activation analysis and other radioanalytical methods V.2, (1987), (pp. 275 (247 pages)) *
BA	18) Abstract and bibliographic information concerning journal article Electrochemical Society 1989 Fall meeting Vol. 89-2, (1990), (pp. 173 (1010 pages)) *
BB	19) Abstract and bibliographic information concerning journal article Journal of the Less-Common Metals Vol. 161 No. 1, (1996-06), (pp. L1-L4)
BC	20) Abstract and bibliographic information concerning journal article Energy Science and Technology, (1988-10), (pp. 345-348)
BD	21) Abstract and bibliographic information concerning journal article Sov. Electrochem. Vol. 23 No. 1, (1987-07), (pp. 76-80)
BE	22) Abstract and bibliographic information concerning journal article Sov. Electrochem. Vol. 22 No. 7, (1987-01), (pp. 891-897)
BF	23) Abstract and bibliographic information concerning journal article Sov. Electrochem. Vol. 22 No. 7, (1987-01), (pp. 863-869)
BG	24) Abstract and bibliographic information concerning Proceedings of the International Society of Electrochemistry 36 th meeting, (1985), (pp. 11160-11161) *
BH	25) Abstract and bibliographic information concerning journal article The Electrochemical Society, (1986), (pp. 368-386) *
BI	26) Abstract and bibliographic information concerning journal article Prot. Met. Vol. 27 No.-2, (1986-11), (pp. 182-185)
BJ	27) Abstract and bibliographic information concerning a report by National Aeronautics and Space Administration, Lewis Research Center, (1986), (16 pages) *
BK	28) Abstract and bibliographic information concerning a report by Battelle Columbus Labs., Metals and Ceramics Information Center, (1986-07), (772 pages)
BL	29) Abstract and bibliographic information concerning a report by Sandia National Labs., (1986), (19 pages) *
BM	30) Abstract and bibliographic information concerning journal article J. Opt. Soc. Am. B: Opt. Phys. Vol. 3 No. 5, (1986-05), (pp. 815-820)
BN	31) Abstract and bibliographic information concerning journal article J. Vac. Sci. Technol., A Vol. 3 No. 6, (1985-11), (pp. 2532-2536)
BO	32) Abstract and bibliographic information concerning journal article Mater. Sci. Eng. v. 88, (Apr. 1987), (pp. 227-231)

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BP	33) Abstract and bibliographic information concerning conference by Soc. For Biomaterials, (1983), (pp. 38)
BQ	34) Abstract and bibliographic information concerning journal article Engineering Index, Neue Huette v. 25 n. 7, (Jul. 1980), (pp. 269-273)
BR	35) Abstract and bibliographic information concerning journal article Engineering Index, Prakt Metallogr v. 13 n. 5, (May 1976), (pp. 211-220)
BS	36) Abstract and bibliographic information concerning journal article Engineering Index, Verres Refract v. 29 n. 2, (Mar.-Apr. 1975), (pp. 83-99)
BT	37) Abstract and bibliographic information concerning journal article Journal of Power Sources Vol. 8 No. 2-3, (Sept.-Oct. 1982), (pp. 301-9)
BU	Results of Search by NERAC Inc., bearing date of April 12, 1999 (6 pages) containing items BU-CI:
BV	1) Abstract and bibliographic information concerning journal article Aerospace Vol. 13 No. 7, (1962-1971), (pp. 37-42)
BW	2) Abstract and bibliographic information concerning European Patent No. 634464, (1995-01-18)
BX	3) Abstract and bibliographic information concerning Chinese Patent No. 1053926, (1991-08-21)
BY	4) Abstract and bibliographic information concerning Japanese Patent No. 87247100, (1987-10-28)
BZ	5) Abstract and bibliographic information concerning Japanese Patent No. 8696087, (1986-05-14)
CA	6) Abstract and bibliographic information concerning German Patent No. 214139, (1984-10-03)
CB	7) Abstract and bibliographic information concerning Japanese Patent No. 8239200, (1982-03-04)
CC	8) Abstract and bibliographic information concerning journal article American Chemical Society, (1980), (pp. 33-9)
CD	9) Abstract and bibliographic information concerning Russian Patent No. 355250, (1972-10-16)
CE	10) Abstract and bibliographic information concerning journal article Philips Journal of Research Vol. 49 No. 1-2, (1995), (pp. 23-46)
CF	11) Abstract and bibliographic information concerning journal article Feingeraetetechnik (East Germany) Vol. 20 No. 4, (Apr. 1971), (pp. 167-9)
CG	12) Abstract and bibliographic information concerning U.S. Patent No. 5,637,028 (1997-06-10)
CH	13) Abstract and bibliographic information concerning U.S. Patent No. 5,637,028 (1997-06-10)
CI	14) Abstract and bibliographic information concerning Russian Patent No. 626106 (1979)
CJ	Results of Search by NERAC Inc., bearing date of May 14, 1999 (8 pages) containing items CJ-CX:
CK	1) Abstract and bibliographic information concerning journal article Surface and Coatings Technology Vol. 51 No. 1-3, (1992-04-15), (pp. 385-391)
CL	2) Abstract and bibliographic information concerning journal article Journal of Vacuum Science and Technology Vol. 9 No. 2, (1991-Mar.-Apr.), (pp. 601-608)
CM	3) Abstract and bibliographic information concerning a report by Oak Ridge National Lab., (1991-10), (24 pages)
CN	4) Abstract and bibliographic information concerning journal article High Temp. Vol. 25 No. 5, (1988-03), (pp. 662-667)
CO	5) Abstract and bibliographic information concerning journal article Journal of Vacuum Science & Technology Vol. 16 No. 6, (Nov.-Dec. 1998), (pp. 3077-81)
CP	6) Abstract and bibliographic information concerning journal article Journal of the Japan Society of Precision Engineering Vol. 62 No. 10 (Oct. 1996), (pp. 1484-8)

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	CQ	7) Abstract and bibliographic information concerning journal article Journal of Vacuum Science & Technology Vol. 8 No. 1, (Jan.-Feb. 1990), (pp. 441-4)
	CR	8) Abstract and bibliographic information concerning journal article Journal of Geophysical Research Vol. 92 No. B4, (30 March 1997), (pp. 641-8)
	CS	9) Abstract and bibliographic information concerning journal article Surface Science Vol. 167 No. 2-3, (1986), (pp. 401-16) 
	CT	10) Abstract and bibliographic information concerning journal article Fizika i Khimiya Obrabotki Materialov No. 6, (Nov.-Dec. 1977), (pp. 150-2)
	CU	11) Abstract and bibliographic information concerning journal article IBM Technical Disclosure Bulletin Vol. 19 No. 7, (Dec. 1976), (pp. 2701)
	CV	12) Abstract and bibliographic information concerning journal article Journal of the Less-Common Metals Vol. 34 No. 1, (Jan. 1974), (pp. 177-9)
	CW	13) Abstract and bibliographic information concerning journal article Journal of the Less-Common Metals Vol. 31 No. 3, (June 1973), (pp. 393-5)
	CX	14) Abstract and bibliographic information concerning journal article J. Chem. Phys. Vol. 101 No. 7 (pp. 6289-6300) <i>no date</i>
	CY	Bob Small and Cass Shang, "CMP Processes for Noble Metals and Metal Oxides," (Dec. 6, 2000), (7 pages)
	CZ	G. Beitel, et al., "CMP Processes for Nobel Metals and Nobel Metal Oxides," (March 2, 2002), (6 pages)
	DA	R. F. Schnabel, et al., "Patterning of Noble Metal Electrodes and Oxygen Barriers by CMP," (April 2000), (8 pages)
Examiner 		Date Considered <i>4/20/03</i>
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>		

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U.S. Department of Commerce, Patent and Trademark Office	Atty Docket No.	Application No.
	M-12178 US	10/057,206
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicants	Confirmation No.
(Use several sheets if necessary)	Robert J. Small, et al.	1702
	Filing Date	Group
	January 25, 2002	1755

U.S. Patent Documents

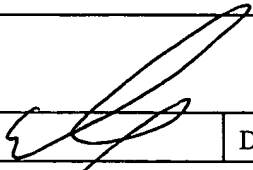
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
—	AA	4,959,113	Sep. 25, 1990	Roberts			
—	AB	4,959,113 C1	Mar. 13, 2001	Roberts			
—	AC	6,117,775	Sep. 12, 2000	Kondo et al.			
—	AD	6,293,848 B1	Sep. 25, 2001	Fang et al.			
—	AE	6,299,795 B1	Oct. 9, 2001	Liu et al.			
—	AF	6,332,831 B1	Dec. 25, 2001	Shemo et al.			
—	AG	6,461,227 B1	Oct. 8, 2002	Fang			
—	AH	2001/0037821 A1	Nov. 8, 2001	Staley et al.			

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

—	AI	International Search Report PCT/US/02/27330. 12/2002

Examiner		Date Considered	4/28/03
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.